

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1. (Currently Amended) Deep-rolling device of a deep-rolling machine for crankshafts designed in scissor construction with two swivellable scissor arms lying opposite each other, each carrying a deep-rolling roller head or a backing roller head respectively, where the backing roller head is fitted with two parallel-axisly arranged backing rollers of which the rotational axes lie in a common plane, with a drive device which generates the closing and opening movement of the deep-rolling machine and the deep-rolling force, ~~characterised in that~~ wherein the backing roller head (14) has at least one axial guide (27) [[-]] which in swivel direction (35) is arranged in front of the backing rollers (21, 22) to close the scissor arm (10) carrying the backing rollers (21, 22), [[-]] the longitudinal axis (41) of which is perpendicular to the rotational axis (4) of the crankshaft (3) and lies in a direction which encloses an acute angle (37) with the plane (34) of the rotational axes (32, 33) of the backing rollers (21, 22), and [[-]] the axial width (28) of which is greater than the width (29) of the backing roller head (14) and slightly less than the distance (29a) of the oil collars (25, 26) of a main bearing journal (5) or big end bearing journal (6).

Claim 2. (Currently Amended) Deep-rolling device according to claim 1, ~~characterised in that~~ wherein the acute angle (37) is 0° and the longitudinal axis (41) of the axial guide (27) has a distance (s) from the plane (34).

Claim 3. (Currently Amended) Deep-rolling device according to claim 1,
~~characterised in that~~ wherein the axial guide (27) has a contour which is prismatic,
cylindrical, crowned or composed of different geometric sections (39, 40).

Claim 4. (Currently Amended) Deep-rolling device according to ~~any of~~
~~Claims 1 to 3, characterised in that~~ claim 1, wherein several axial guides (27) are
allocated to each of two backing rollers (21, 22), the axial width (28) of which guides is
less than the width (29) of the backing roller head (14) and the outer width of which is
slightly less than the distance (29a) of the oil collars (25, 26) of a main bearing journal
(5) or big end bearing journal (6).